

## **CHAPTER VI**

### **CONCLUSION AND SUGGESTION**

This chapter contains conclusions from the research and suggestions given for further research for the system development.

#### **6.1 Conclusion**

Based on the research that has been done, it can be concluded that the geographic information system that was designed can help the distribution process of earthquake and tsunami disasters in the city of Padang. The system has four main functions. First, the system can display an optimal distribution route to help the operating unit distribute disaster relief quickly and pass through a safe path. Second, the system has information about shelters in Padang City which can be used as guidelines for officers and distributed to residents of Padang City when a disaster occurs. Third, the system has information about disaster relief data needed at the evacuation post. Fourth, the system also provides information about the disaster relief stock data owned by the Regional Disaster Management Authority of Padang City as a guide for issuing other requests for disaster relief to the Regional Disaster Management Authority of West Sumatera

#### **6.2 Suggestions**

Based on research that has been done, suggestions that can be given to further researchers for the development of geographic information systems for disaster evacuation aids in the city of Padang are web-based are as follows:

1. Research can be carried out to design information system for another operating units such as for medical teams.
2. The next researcher can use the PostgreSQL as the database.
3. The research is more focused on the logistic information system